

**Listing of the Claims:**

This Listing of Claims will replace all prior versions and listings of claims in the above-referenced patent application:

1. (Currently Amended) A method for enhancing the immune response to infection by *E. coli* in a mammal in need thereof ~~protection against infection which comprising comprises~~ administering to said mammal ~~a patient in need of such protection~~ a composition comprising riboflavin, flavin mononucleotide, flavin adenine dinucleotide, or pharmalogically permissible salts thereof ~~and/or a riboflavin derivative~~.
2. (Canceled)
3. (Currently amended) The method according to claim 1, wherein the composition further comprises riboflavin and/or a riboflavin derivative and an antibiotic effective against *E. coli*.
4. (Currently amended) The method according to claim 1 wherein the composition is administered to the mammal patient in an amount ranging from 0.1 to 500 mg/kg of weight of the mammal.
5. (Currently amended) The method according to claim 1 wherein the composition is administered to the mammal patient in a form of intramuscular injection, intravenous injection, subcutaneous injection or oral administration.
6. (Currently amended) A The method of claim 1, for protection against infection, which comprises administering to a patient in need of such protection a ~~wherein the composition comprising further comprises riboflavin, and/or a riboflavin derivative and a~~ at least one water-soluble polymer selected from the group consisting of polyvinyl pyrrolidone, sodium carboxymethyl cellulose, methyl cellulose, hydroxypropyl cellulose, hydroxypropylmethyl cellulose, sodium chondroitin sulfate, polyethylene-hardened castor oil, polyoxysorbitan fatty acid esters and polyvinyl alcohol or lecithin.
7. (Canceled)

8. (Currently amended) A The method of claim 1, for protection against infection, which comprises administering to a patient in need of such protection a wherein the composition comprising further comprises riboflavin, and/or a riboflavin derivative and a at least one lecithin selected from the group consisting of The method according to claim 6 wherein the lecithin is one or more selected from the group consisting of yolk lecithin, soybean lecithin and hydrogenated lecithins.

9. (Currently amended) A The method of claim 3, wherein the for treating infections caused by Escherichia coli by administering to a patient in need of such treatment a composition comprising riboflavin and/or riboflavin derivative and one or more composition formulation additives antibiotic is selected from the group consisting of amoxicillin, tetracycline, and oxycycline hydrochloride, at a ratio of 0.01 parts by weight to 1 part by weight based on 1 part riboflavin and/or riboflavin derivative.

10. - 57. Canceled.

58. (New) The method of claim 1, wherein the composition further comprises glutamine and proline.

59. (New) A method for enhancing the immune response to a virus, in a human or an animal in need thereof, the method comprising administering to the mammal a composition comprising:

- a) at least one of riboflavin, flavin mononucleotide, and flavin adenine dinucleotide and pharmaceutically permissible salts thereof; and
- b) the inactivated virus.

60. (New) The method of claim 59, wherein the composition further comprises a lecithin selected from the group consisting of yolk lecithin, soybean lecithin, and hydrogenated lecithins.

61. (New) A method for increasing the survival rate of a human or an animal susceptible to infection with a virus, the method comprising administering to the mammal a composition comprising:

- a) at least one of riboflavin, flavin mononucleotide, and flavin adenine dinucleotide, and pharmaceutically permissible salts thereof; and
- b) the inactivated virus.

62. (New) The method of claim 61, wherein the composition further comprises a lecithin selected from the group consisting of yolk lecithin, soybean lecithin, and hydrogenated lecithins.